

Fall 1999 Traffic Count Summary for HOV Lanes

-  High Occupancy Vehicle (HOV), in Maryland, is defined as a motor vehicle carrying two or more passengers.
-  Throughput: the number of people carried per lane per hour
-  The State of Maryland has one highway which carries an HOV lane, located on I-270 travelling in both northbound and southbound directions.
-  Peak Period Hours, in the morning commute, are from 6:00 a.m. to 9:00 a.m.; and from 3:30 p.m. to 6:30 p.m. in the evening commute.
-  The average HOV person throughput was greater than the average person throughput of the non-HOV lanes.
-  In addition to greater person throughput, the HOV lanes accomplished this feat by using over 12,000 less vehicles.

I 270 HOV Lanes

Fall 1999, Traffic Count Summary

Location	Total Vehicles		Person Throughput		Per Vehicle		
	HOV Lane # of vehicles	SOV Lanes # of vehicles	HOV Lane Only	SOV Lane Average	HOV Lane	SOV Lanes	Overall
I-270 @ Old Georgetown AM Peak	1,941 18.8%	8,406 81.2%	4,752	4,684	2.45	1.11	1.36
I-270 @ Old Georgetown PM Peak	1,977 15.9%	10,469 84.1%	4,831	5,670	2.44	1.08	1.30
I-270 @ Democracy AM Peak	1,692 16.5%	8,580 83.5%	3,766	4,698	2.23	1.10	1.28
I-270 @ Democracy PM Peak	1,598 14.0%	9,806 86.0%	3,885	5,384	2.43	1.10	1.28
I-270 @ Gude AM Peak	4,350 14.3%	26,051 85.7%	10,943	5,812	2.52	1.12	1.32
I-270 @ Gude PM Peak	2,642 8.3%	29,168 91.7%	7,036	6,949	2.66	1.19	1.31
I-270 @ MD 118 AM Peak	N/A ***	15,087 100%	N/A	7,049	N/A	1.40	1.40
I-270 @ MD 118 PM Peak	1,890 12.7%	12,943 87.3%	4,518	5,020	2.39	1.16	1.32
Average Value	2,299	15,064	5,676	5,658	2.45	1.16	1.32

Notes: a) Peak Period Hours are from 6:00am - 9:00am and 3:30pm - 6:30pm.

b) HOV(high occupancy vehicle) = 2 or more persons in a vehicle, SOV(single occupancy vehicle) = 1 person in vehicle.

Source: Maryland S.H.A. - Regional and Intermodal Planning Division (RIPD), Office of Traffic and Safety (OTS)